

Amendments to the Specification:

Please add the following paragraph between the title and the field of the invention:

[000] This application claims the benefit of United States Provisional Application No. 60/413,162 filed on September 25, 2002.

Please replace paragraph [0046] with the following replacement paragraph:

[0046] The ions tend to move to the focusing regions marked at 40, because of the attractive dc fields caused by the application of CV. The ions are carried out of the focusing region by the gas flow 42, and with appropriate voltages will move away from electrode 28. Once past electrode 28, the ion will begin to move towards the next electrode 26 in the electrode stack 24. This undulating motion continues as the ions traverse the analytical gap 20 between the electrode stack 24 and the flat parallel plate electrode 22. Ions with other than a correct ratio of high field mobility to low field mobility suffer collisions with an electrode surface prior to being carried to the ion outlet 18. Although this discussion assumes a positive ion, with mobility that increases with electric field strength (recalling that field strength is being used to represent E/N), one of skill in the art will appreciate that the electrode arrangement shown in Figure 1 can be used to separate negative ions and ions of either polarity whose mobility increases or decreases with E/N.